Client/Matter: 081468-0304499

**REMARKS** 

Reconsideration and allowance of the above-identified Application in view of the above amendments and the following remarks are respectfully requested.

Claims 1, 10, and 12 are amended to remove an unnecessary feature, to broaden a claim term, to recite an additional feature, and for grammar. Claims 2–9, 11, 13, 15, and 16 are amended accordingly. Claims 21–44 are new. Claims 1–44 are pending in the Application.

Applicant notes with appreciation the Examiner's indication that claims 8, 11, and 19 recite allowable subject matter.

Rejection under 35 U.S.C. § 102

Claims 1–7, 9, 10, 12–17, and 20 are rejected under 35 U.S.C. § 102(e) as being anticipated by Hutchinson (U.S. Pat. No. 6,617,082). For at least the following reasons, applicant respectfully requests that this rejection be withdrawn.

Claim 1 recites a lithographic apparatus comprising a programmable patterning structure that includes a plurality of reflective elements. Each reflective element includes upper and lower distributed Bragg reflectors, and at least two among the plurality of reflective elements have a common distributed Bragg reflector.

Hutchinson discloses a micromechanical system mask with an array of reflectors, each reflector having two mirrors separated from each other by an adjustable gap (abstract). Applicant finds no teaching in Hutchinson of two reflective elements, each having upper and lower distributed Bragg reflectors, with the two having a common distributed Bragg reflector. Therefore, applicant respectfully submits that claim 1 is allowable over the art of record.

Claims 2–7 and 9 depend from claim 1. Applicant respectfully submits that these claims are allowable at least by virtue of that dependency.

12

BLEEKER ET AL. -- 10/613,218

Client/Matter: 081468-0304499

Also, claim 3 recites that at least two of the plurality of reflective elements have a common upper distributed Bragg reflector. Applicant finds no teaching of such a feature in Hutchinson.

Also, claim 7 recites that an actuator configured to set a separation relation of at least one of the reflective elements includes a piezoelectric element. Applicant respectfully notes that Hutchinson does not teach this feature. In column 3, Hutchinson teaches that a gap 370 between mirror 320 and membrane 340 may be controlled electrostatically (lines 21-32). As noted in paragraph [0059] of the specification as filed, electrostatic actuation and piezoelectric actuation are two different mechanisms. Electrostatics relates to interactions between stationary electric charges, while piezoelectricity refers to a relation between voltage and mechanical stress (see, e.g., Webster's II New Riverside University Dictionary, copies of relevant pages attached).

Claim 10 recites a lithographic apparatus comprising a programmable patterning structure that includes a plurality of reflective elements. Each reflective element includes a distributed Bragg reflector, and at least two among a set of the plurality of reflective elements have a common distributed Bragg reflector.

Applicant finds no teaching in Hutchinson of two reflective elements having a common distributed Bragg reflector. Therefore, applicant respectfully submits that claim 10 is allowable over the art of record.

Claim 12 recites a device manufacturing method comprising using a programmable patterning structure that includes a plurality of reflective elements. Each reflective element includes upper and lower distributed Bragg reflectors, and at least two among the plurality of reflective elements have a common distributed Bragg reflector.

As discussed above, applicant finds no teaching in Hutchinson of two reflective elements, each having upper and lower distributed Bragg reflectors, and the two having a common distributed Bragg reflector. Therefore, applicant respectfully submits that claim 12 is allowable over the art of record.

13

BLEEKER ET AL. -- 10/613,218

Client/Matter: 081468-0304499

Claims 13–18 and 20 depend from claim 12. Applicant respectfully submits that

these claims are allowable at least by virtue of that dependency.

Also, claim 14 recites that at least two of the plurality of reflective elements have a

common upper distributed Bragg reflector. Applicant finds no teaching of such a feature in

Hutchinson.

Also, claim 18 recites using an actuator that includes a piezoelectric element to set a

separation relation of at least one of the reflective elements. As discussed above, applicant

respectfully notes that Hutchinson does not teach this feature.

New claims 21-44 recite apparatus and methods as disclosed in, e.g., the claims as

originally filed. At least for the reasons discussed above, applicant respectfully submits that

these claims are allowable over the art of record.

Please charge any fees associated with the submission of this paper to Deposit

Account Number 033975. The Commissioner for Patents is also authorized to credit any

over payments to the above-referenced Deposit Account.

Respectfully submitted,

PILLSBURY WINTHROP LLP

KERRY T. HARTMAN

Reg. No. 41818

Tel. No. (703) 905-2085

Fax No. 703 905-2500

Date: September 9, 2004

P.O. Box 10500

McLean, VA 22102

(703) 905-2000

14

electro negative (I-lek'tro negotiv) adi. 1. Having a negative ric charge. 2 Tending to attract electrons to form a chemical

electron gun n. An electron-emitting electrode and associated elements, esp. in a cathode-ray tube, that produce a beam of accelerated electrons.

ated electrons.

Clectronic (I-lek-tron'Ik, & lek-) adj. 1. Of or relating to electrons 2. Of, relating to, based on, operated by, or otherwise involving the controlled conduction of electrons or other charge carriers, esp. in a vacuum, gas, or semiconducting material. 3. Of or relating to e-lec'tron'i-cal·ly adv

electronics. electronic flash n. A strobe light.

electronic music n. Music produced by electronic devices: e-lec-tron-ics (i-lek'tron'iks, e'lek-) n. (sing. in number). 1. The science and technology of electronic phenomena. 2. The commercial industry of electronic devices and systems.

electronic stylus n. A penlike input device that signals the computer by means of an electronic pulse and is commonly used in conjunction with a cathode-ray tube.

electron lens n. Any of various devices using an electric or a

electron micrograph n. A micrograph made by an electron microscope.

electron microscope n. Any of a class of microscopes using electrons rather than visible light to produce magnified images, esp. of objects with dimensions smaller than the wavelengths of visible light, with linear magnification up to or exceeding a million (10s). electron multiplier n. A vacuum tube in which a single electron produces a large number of secondary electrons by collision with an anode, the process gen. being repeated through a number of stages to achieve great amplification.

electron optics n. (sing. in number). The science of the control of electron motion by electron lenses in systems or under conditions

analogous to those involving or affecting visible light. electron pair n. 1. Two electrons functioning or considered as functioning in concert, esp. two electrons shared by two atoms joined by a covalent chemical bond. 2. The combination of an electron and a positron as produced by a high-energy photon.

electron tube n. A scaled enclosure, either highly evacuated or containing a controlled quantity of gas, in which electrons can be made sufficiently mobile to act as the principal carriers of current between at least one pair of electrodes, often under the control of one or more additional electrodes.

electron volt n. A unit of energy equal to the energy acquired by an electron falling through a potential difference of one volt, approx.

1.602 × 10-19 joule. e-lectro-phorese (I-lek'tro-fo-res') vt. -resed, -resing, -reses

[Back formation < ELECTROPHORESIS.] To subject to electrophoresis e-lectro-phore-sis (I-lek'tto-fo-re'sis) n. The motion of charged particles, esp. colloidal particles, through a relatively stationary liquid under the influence of an applied electric field provided, in general, by immersed electrodes.

e-lec-tro-pho-ret-o-gram (!-lek'tro-fo-re'to-gram') n [ELECTRO-PHORET(IC) + GRAM.] A record of the separated components of a mixture produced by electrophoresis.

e-lec troph orus (I-lek'mof'ar-as, e'lek-) n., pl. -ori (ori') [NLat. ELECTRO + Gk. phoros, bearer < pherein, to bear.] A device for generating static electricity, having a disk given a negative charge by friction and a metal plate charged by induction when in contact with the disk

electro-plate (f-lek'tro-plat) vt. plated, plating, plates. To cover or coat with a thin layer of metal by electrodeposition. electro-positive (f-lek'tro-pozitiv) adj. 1. Having a positive electric charge. 2. Tending to release electrons to form a chemical

bond. e-lec-tro-scope (I-lek'tra-skop') n. An instrument for detecting the presence, sign, and in some configurations the magnitude of an electric charge by the mutual attraction or repulsion of metal foils or pith balls. — lec tro-cop'ie (sköp'ik) adj.

electro-shock (I-lek'tro-shok') n. Shock therapy in which an electric current is passed through the brain.
electro-stat-le (I-lek'tro-stat-Ik) add; 1. a. Of or relating to state.

tionary electric charges. b. Produced or caused by such charges. 2. Of

or relating to electrostatics. —elec'tro-statically adv. electrostatic generator n Any of various devices, esp. the Van de Graaff generator, that generate high voltages by accumulating large quantities of electric charge.

electrostatic precipitation na Removal of particles sus pended in a gas by electrostatic charging and subsequent precipita-tion onto a collector in a strong electric field.

electrostatic printing n A printing or copying process that uses electrostatic forces to form the image in powder or ink directly on the surface to be printed.

50 boot ou out th thin th this ti cut a fir urge y young you abuse zh vision a about, item, edible, gallop, circus

electrostatics (I-lek'tro-stat'iks) n. (sing. in number). The physics of electrostatic phenomena.

electrostatic unit n. Any of a system of units for electricity and magnetism based on a system of equations in which the permit-tivity of empty space is defined as unity and by means of which a fundamental unit of charge is defined.

e-lec-tro-thera peu-tics (I-lek'tro-ther's-pyoo'tiks) n. (sing. in number). Electrotherapy.

electrotherapy (Hek'trother's-pe) n. Medical therapy, as diathermy, using electric currents.
electrothermal (Hek'trothur'mal) adj. 1. Of, relating to, or involving both electricity and heat. 2. Of or relating to the produc-

tion of heat by electricity. —e-lec'tro-ther mal-ly adv. e-lec-trot-o-nus (I-lek'trōt'o-nas, e'lek-) n. Alteration in sensitivity of a nerve caused by the passage of an electric current through any part of it. -e-lec'tro-ton'ic (-tra-ton'ik) adj.

e-lec-tro-type (I-lek'tro-tîp') n. 1. A duplicate metal plate used in letterpress printing, made by electroplating a lead or plastic mold of the original plate. 2. The process of making an electrotype. —e-lectro type v. (-typed, -typing, -types). -e-lec'tro typ'er n -elec'tro-typ'le (-tro-tip'ik) adj.
e-lec-tro-va-lence (i-lek'tro-va-lens) also e-lec-tro-va-len-cy

(lan se) n. 1. Valence marked by the transfer of electrons from atoms of one element to atoms of another. 2. The number of electric charges lost or gained by an atom in such a transfer. -e-lec'tro-va'lent adi.

electrovalent bond n. Chem. An ionic bond. e-lec-trum (i-lek'tram) n. [ME electrum < Lat., amber < Gk. elek-

tron.] An alloy of silver and gold. e-lec-tu-ary (I-lek'choo-er'e) n., pl. -ies. [ME electuarie < LLat. electuarium, prob. alteration of Ck. ekleikton < ekleikhein, to lick up: ek., out + leikhein, to lick.] A drug mixed with sugar and water or honey into a pasty mass suitable for oral administration

el-ee-mos-y-nary (el'-mos-ner'e, el'e-) adj. [Med Lat. elee-mosynarius < Llat. elee-mosyna, alms —see ALMS.] 1. Of or relating to alms or the giving of alms. 2. Depending on or supported by alms. 3. Contributed as an act of charity: GRATUITOUS.

elegance (ellegans) also elegancy (ganse) n. 1. a. Grace and refinement in appearance; movement, or manners. b. Tasteful opulence in form, decoration, or presentation. 2 a. Grace and restraint of style. b. Scientific precision and exactness. 3. Something elegant or luxurious.

elegant (el'I-gant) adj. [Ofr. < Lat elegans.] Marked by or dis-

playing elegance. —el'e-gant-ly adv.

el-e-gl-ac (el'-jl'sk, l-le'je-ak') adi. [Llat elegiacus (Gk, elegiakos (elegeia, elegy.] L a, Relating to an elegy. b. Expressing sorrow: MOURNFUL. 2 Of, relating to or written in couplets whose first line is a dactylic hexameter and second a pentameter. —el'egi'ac n. —el'egi'ac al adi. —el'egi'ac al ly adv. elegit (Hējit) n. [Lat elegit he has chosen, the first word of a phrase frequently used in the writ.] Law. A writ of execution against a debtor by which the debtor's goods or property, are delivered to the plaintiff until the debtor can settle the debt. According to the ele-e-gize (el'a-jiz') v. -gized, -giz-ing, -giz-es, -vi. To compose an elegy -vt. To compose an elegy on or for.

elegy (čl'a-je) n., pl. -gles. [fr/elégie < Lat. elegia < Ck. elegeia < elegos, mournful song.] 1. A poem or elegos, mournful song.] 1. A poem or song written esp. as a lament for one who is dead. 3. A melancholy or pensive musical composition or poem.

element. (el's-mant) n. [ME < Off: < Lat. elementum.] 1. A fundament. damental, irreducible constituent. 2 elements. The basic principles or assumptions of a subject. 3. Math. a. A member of a set. b. A point, line, or plane. c. A part of a geometric configuration, as an angle in a triangle. d. The generatrix of a geometric figure ac. Anylof the terms in the rectangular array of terms that constitute a matrix or determinant, 4. Chem. & Physics. A substance made up of atoms bearing an identical number of protons in each nucleus; 5. One of four substances, earth, air, fire, or water, once held to be a basic constituent of the universe. 6. elements. The forces that constitute the weather, esp. severe; or inclement weather. 7. An environment naturally appropriate to or associated with an individual. 8. ele-

ments. The bread and wine of the Eucharist. A SYMS: 1. ELEMENT, BASIC; ESSENTIAL, FUNDAMENTAL, RUDI-MENT II. core meaning: an irreducible constituent of a whole < the elements of physics > 2. ELEMENT, COMPONENT, CONSTITUENT, FAC-TOR, INGREDIENT, PART n. core meaning : one of the individual entities contributing to a whole <intelligence and ambition—two key elements to success> .....

ele-men-tal (čl'a-měn'tl) adj. L. Of; relating to, or constituting an element. 2 a. Fundamental or essential: INDISPENSABLE. b. Of. or relating to the fundamentals: ELEMENTARY. C. Belonging to inherently. 3. Being like a force of nature in power or effects -el'e-men'-But a live grant-gally tal n .- el'e men'tal ly adv.

el-e-men-tary (el'o-men'ta-ie,-tre) adj. Li Fundamental, essential, or irreducible. 2. Of, involving, or introducing the fundamental or simplest aspects of a subject <an elementary arithmetic textbook> 3. Of or pertaining to an elementary school < the elementary class piece (pes) n. [ME pece < OFr. < Med. Lat. pecia, prob. of Gaulish orig.] 1. A thing regarded as a unit or element of a larger quantity or class: PORTION <a piece of pie> <a piece of a puzzle> 2. A part separated or broken off from a whole: FRAGMENT <a piece of glass> 3. An object that is one member of a group or class <a piece of furniture > 4. An artistic, literary, or musical work or composition. 5. An instance: specimen <a piece of advice> 6. One's fully expressed opinion <speak one's piece> 7. A coin <a 50e piece> 8. One of the counters or men used in playing board games. 9. Any of the chess figures other than a pawn. 10. A firearm. 11. A short distance <"There was farm country down the road on the right a piece" - James Agee > -vt. pieced, piec-ing, piec-es. 1. To mend or restore by adding pieces to. 2. To join the pieces of : ASSEMBLE pieced together the model airplane> -a piece of (one's) mind. Informal. Frank and unsparing criticism: CENSURE.—go to pieces.

1. To shatter into small pieces: fall apart. 2. Informal. To lose mental and emotional self-control: BREAK DOWN. -of a piece. Belonging to the same kind or class. -piece of the action. Informal. A share of an activity or of profits.

pièce de résis-tance (pyès de ra-ze-stans') n. [Fr.] L. The principal or featured dish of a meal. 2. A crowning achievement.

piece goods pl.n. Fabrics made and sold in standard lengths. piece-meal (pts'mel') adv. [ME pecemale: pece, piece + mele, by a fixed measure < OE mæl, appointed time.] 1. Piece by piece: GRADUALLY < built my collection piecemeal > 2. In pieces: APART. -adj. Accomplished or made piece by piece.
piece of eight n. An old Spanish silver coin

piece work (pes'wark') n. Work paid for according to the number

of items produced. —piece work er n.
pie chart n. A circular chart having radii dividing the circle into areas proportional to the relative size of the quantities represented.

pied! (pid) adi. [ME < pie, magpie. —see FIE<sup>2</sup>.] Spotted or patched with color: SPLOTCHED.

pied\* (pid) v. var. p.t. & p.p. of pr.

pied\*a-terre (pyå-då-tår') n., pl. pieds-a-terre (pyå-då-tår') [Fr.:

pied, foot + d, to + terre; ground.] A second or temporary lodging

pied-mont (pěd'mont) n. [After Piedmont, a region in Italy.] A region or area situated at the foot of a mountain range. -pied'-

pied piper n. [After The Pied Piper of Hamelin, title and hero of a poem by Robert Browning (1812-1889).] 1. One who entices others with delusive promises. 2. An appealing but irresponsible leader.

pier (pi') n. [ME per < OE < Med. Lat. pera.] 1. a. A platform extending from a shore over water and supported by piles or pillars, used to secure, shelter, and provide access to vessels. b. Such a structure. used to sectire, shelter, and provide access to seek a supporting structure at the junction of connecting spans of a bridge. 3. Any of various vertical supporting structures, esp.: a. A pillar, rectangular in cross section, supporting a roof or arch. b. A section of wall between windows or doors. c. A reinforcing structure projecting from a wall:

pierce (pirs) v. pierced, piercing, pierce. [ME percen < OFr. percer < Vlat. \*pertusiare < Lat. pertundere, to bore through : perthrough + tundere, to beat.] -vr. 1. To puncture or pass through with or as if with a sharp instrument : STAB. 2. To make a hole or opening in FERFORATE. 3. To sound sharply through <a trail that pierced the mountains > 4. To sound sharply through: FENETRATE <A shout pierced the fog > 5. To succeed in understanding or discerning pierced the complexities of the problem> 6. To affect
penetratingly: move deeply was pierced by guilt> -vi. To penetrate into or through something -pierc'er n. -pierc'ing adj. -pierc'ing ly adv.

—pierc'ingly adv.

Pieri-an Spring (pl-ir'e-an) n. [< Lat. Pierius, sacred to the Muses < Gk. Pieria, a region of Macedonia.] 1. Gk. Myth. A spring in Macedonia, sacred to the Muses. 2. A source of inspiration.

Pierrot (pé'-no', pyé-no') n. [Fr., dim. of the name Pierre, Peter < Lat. Petrus.] A comic character in traditional French pantomime dressed in a floppy white costume.

pie-tà also Pie-tà (pyā-tà') n. [Ital., pity < Lat. pietas. —see FIETY.]

A représentation of the Virgin Mary holding and mourning over the dead body of lesus.

dead body of Jesus.

pi-e-tism (pri-tiz/am) n. [G. Pietismus < Lat. pietas; piety.] 1. Piety. 2. Exaggerated or affected piety. 3. Pietism. A reform movement in the German Lutheran Church during the 17th and 18th cent., which sought to renew the devotional ideal in the Protestant

religion. -pi'e-tist n. -pi'e-tis'tic, pi'e-tis'ti-cal adj. -pi'e-tis'pie-ty (pff-te) n., pl. -tles. [Fr. pieté < Lat. pietas, dutiful conduct < pius, dutiful.] 1. Religious devotion and reverence to God. 2. Devo-

tion and fidelity to parents and family. 3. A pious thought or act. 4. The quality or state of being pious.

piezo-pref. [< Gk. piezein, to squeeze.] Pressure <pre>piezo-pref. [< Gk. piezein, to squeeze.] Pressure <pre>piezo-prefectric-ity (plezo-lèk-tris-ite, pe-i/zo-) n. Physics.
Generation of electricity or of electric polarity in dielectric crystals subjected to mechanical stress, and conversely, generation of stress in such crystals subjected to an applied voltage. --pi-e'zo-e-lec'tric. pi-e'zo-e-lec'tri-cal adj. -pi-e'zo-e-lec'tri-cal-ly adv.

pi-e-zom-e-ter (pl'I-zom'I-tar, pe'I-) n. An instrument for ing pressure, esp. high pressure. —pi-e'zo-met'ric (pi-e'zo-pē-i'zo-), pi'e'zo-met'ri-cal adj. —pi-e'zom'e-try n. pif-fle (pif'sl) vi. -fled, -fling, -flea [Orig. unknown] Toldatin a foolish or futile way. -n. Inane ideas or talk: Nois pig (pig) n. [ME pigge.] 1. A stout-bodied mammal of the Suidae, with short legs, cloven hoofs, bristly hair, and a carrillation of the stout-bodied mammal of the flow of the stout-bodied mammal o snout used for rooting, esp. the domesticated hog. Sus scrope, young or relatively small. 2. The edible parts of a pig. 3. Inf One considered to be greedy, dirry, or messy. 4 CUNEA.

5. a. An oblong block of metal, chiefly iron or lead, poured. smelting furnace. b. A mold in which such metal is east estimated by pigged, pigging, pigs. To give birth to pigs: PARROW. in a poke. Something offered in a manner that concealstill value or nature. -pig it. To live or eat in a piglike manner out. Slang. To eat to surfeit. pig bed n. A bed of sand in which pigs of iron are cast

pig-boat (pig'bōt') n. Slang. A submarine.
pi-geon (pij'an) n. [ME < OFr. pijon < Lat. pipio, young chim bird < pipire, to chirp.] 1. A widely distributed dove of the far Columbidae, having a prominent chest, short legs, and a small he esp. the rock dove, Columba livia, or any of its domestic legs. eties. 2. Slang. One easily swindled: DUPE.

pigeon hawk n. A small falcon, Falco columbarium pigeon-hole (pij'ən-hol') n. 1. A hole for nesting in a pigeon hole 2. A small compartment or recess, as in a desk, for holding par CUBBYHOLE. 3. A specific, often misleading stereotyped cares vt. -holed, -hol-ing, -holes. 1. To place or file in a piecon 2. To classify mentally: CATEGORIZE. 3. To set aside and ign SHELVE.

pigeon pea n. 1. A tropical shrub, Cajanus indicus, bearing of yellow flowers. 2. The edible brown seed of the pigeon pear pigeon-toed (pli'en-tod') adj. Having the toes turned in with

pi-geon-to-ed (pi) sh-too ) day, raying the ces temper of pi-geon-wing (pii) on-wing) n. A dance step performed by and clapping the feet together.

pig-fish (pigfish') n., pl. pigfish or -fish-es. A manne foo Orthopristis chrysopterus of U.S. coastal Atlantic waters. pig-ger-y (pig-re) n., pl. -les. A place where pigs are kept, pig-gin (pig'in) n. [Orig. unknown.] A small wooden buck one stave projecting above the rim for use as a handle pig-gish (pig'ish) adj. 1. Like a pig. 2. Stubborn: pigheaded gish-ly adv. —pig'gish-ness n

piggy back (pig'e-bak') also pick-a-back (pik's-bil') ation of rickaback. [—adv. 1. On the back or shoulders. child piggyback > 2. By a method of transportation in whi trailers are carried on trains or cars on specially designed true The act of transporting piggyback —v. -backed, ba-backs. —vt. To cause to be aligned with something, at a that is larger or more important, -vi. To function as it the back of another. -pig'gy-back' adj. piggy bank n. A coin bank shaped like a pig.

pig-head-ed (pig'hed'id) adi. Stubborn. -pig'head ed b pighead'edness II. 14.000

pig iron n. Crude iron cast in blocks.

pig Latin n. A jargon systematically formed by transported initial consonant to the end of the word so as to form an additional consonant to the end of the word so as to form an additional consonant to the end of the word so as to form an additional consonant to the end of the word so as to form an additional consonant to the end of the word so as to form an additional consonant to the end of the word so as to form an additional consonant to the end of the word so as to form an additional consonant to the end of the word so as to form an additional consonant to the end of the word so as to form an additional consonant to the end of the word so as to form an additional consonant to the end of the word so as to form an additional consonant to the end of the word so as to form an additional consonant to the end of the word so as to form an additional consonant to the end of the word so as to form an additional consonant to the end of the word so as to form an additional consonant to the end of the word so as to form an additional consonant to the end of the word so as to form an additional consonant to the end of the word so as to form an additional consonant to the end of the word so as to form an additional consonant to the end of the word so as the consonant to the end of the word so as the consonant to the end of the word to the word to the word to the end of the word to pig iron n. Crude iron cast in blocks. syllable, as igpay atinlay for pig Latin. . pig lead n. Crude lead cast in blocks.

pig leat n. Crude lead cast in blocks.

piglet (piglit) n. A young pig.

pigment (pigmant) n. [Lat pigmentum < pingen, n.

substance used as coloring. 2. Dry coloring matter, usin

powder to be mixed with a base, as oil or water, to make similar products. 3. Biol. A substance, as hemoglobin of that imparts a characteristic color to animal or plant to mented, -menting, -menta To color with pigue mentary (pigmentere) adj. pigmentation (pigmentershen) n. Biol. 1 Colors

sues by pigment. 2. Deposition of pigment by cells.

Pigmy (pigme) n. & adi var. of PrGMY.

pigmut (pigme) n. & adi var. of PrGMY.

pigmut (pigme) n. 1. A hickory tree, Carya glabra of the eastern United States, bearing edible nuis. 2. The mich pignut trees, having a rather bitter kernel. 3. The pigpen (pig pen) n. 1. A pen for pigs. 2. A dirty, place pig-skin (pig/skin) n. 1. The skin of a pig. 2. Feather pigskin. 3. Informal. a. A football. b. A saddle.

pigsaney (pigzne) n. [ME piggesnye: pigge pig of eye, eye.] Obs. 1. A darling. 2. An eye.
pig-sty (pigst') n., pl. sties. A pigpen.
pig-tail (pig'al') n. 1. A plait of tightly braided hall strand of tobacco. strand of tobacco. -pig'tailed' adj.
pig-weed (pig'wed') n. 1. A common wild plant. Che

bum, having leaves with a mealy texture and small see

ă pat ă pay âr care ă father e pet e be hy I tie ir pier o pot o toe o paw, for